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## Patent Abstracts of Japan

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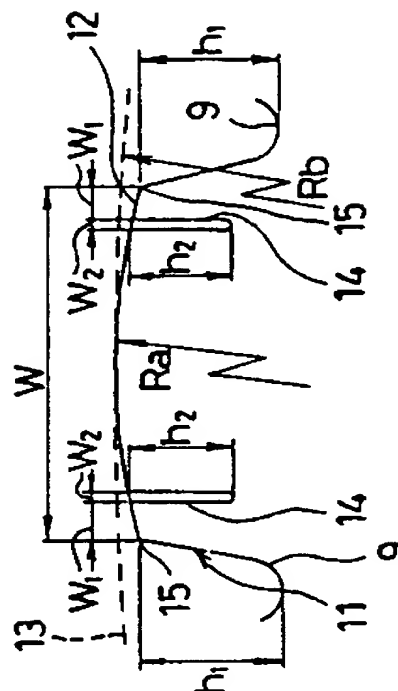
APPLICATION DATE : 07-12-89  
APPLICATION NUMBER : 01316390

APPLICANT : YOKOHAMA RUBBER CO LTD:THE;

INVENTOR : OGAWA YUKIHIRO;

INT.CL. : B60C 11/11

TITLE : RADIAL TIRE FOR HEAVY LOAD



ABSTRACT : PURPOSE: To restrain the partial abrasion of a pneumatic tire for a heavy load by specifying a ratio of the radius of curvature of a tread surface in a block to a phantom radius of curvature in a tire peripheral direction, and forming a widthwise fine groove with the predetermined width and depth at a specific position.

CONSTITUTION: The radius of curvature  $R_a$  of the tread surface of a block 11 cellularized with peripheral and transverse grooves on a tread surface and the phantom radius of curvature  $R_b$  in a tire peripheral direction are so established that a ratio of  $R_a$  to  $R_b$  becomes 0.40 to 0.65. Also, a fine groove 14 is formed at the front and rear ends of the block 11 from a position off the end 15 of the block 11 by a distance  $W_1$  of 0.07 to 0.27 times block length  $W$ . In this case, a ratio of the width  $W_2$  of the fine groove 14 to the block length  $W$ , or  $W_2/W$  is set to 0.6 to 0.06, and the depth  $h_2$  thereof is set to 0.25 to 1.0 times a main groove depth  $h_1$ . According to the aforesaid construction, the partial abrasion of a heavy load radial tire can be restrained.

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